

United States Government

Department of Energy

memorandum

Rocky Flats Office

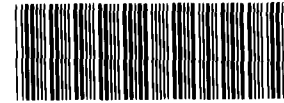
DATE:

MAR 12 1993

REPLY TO

ATTN OF:

ERD:EOT:02537



000030246

SUBJECT: HAZWRAP Support For Building 910 Evaporators/Modular Tanks Startup At Rocky Flats

TO: John Ford, DOE, Oak Ridge Field Office

We have received the attached proposal from the HAZWRAP organization in response to our request for support in the startup operations for the Building 910 Evaporators and Modular Tanks at Rocky Flats and have several adjustments and comments to make to it.

First and foremost, we would like to adjust the priorities of task performance as outlined in the revised Statement of work (SOW) below.

- 1) Assess the current test and startup program and schedule to determine its adequacy and readiness. The assessment should focus on the planned component, subsystem and system level testing and determine if sufficient, and if not sufficient recommend changes. The study should also assess the present schedule and recommend actions for system improvement.
- 2) Assist and advise EG&G in regard to their responsibility for the test, checkout, and startup of the evaporator/modular tank system and the training of the EG&G operations team.
- 3) Review the Building 910/Modular Tank operational system design and perform a limited Failure Modes and Effects Analysis (FMEA). The FMEA shall utilize all existing data available where possible. The FMEA will assess failure modes that could precipitate major failures to the system or incur excessive system down times that could cause contingency situations whereby the storage capacities of the Modular Tanks would be exceeded.
- 4) Provide an assessment of the current system design based on information gained in the performance of tasks 1, 2 and 3 above.

Under the new priority, Part 4 will be down-scoped to an assessment of the current design based on knowledge gained in the performance of tasks 1, 3, and 4. Since the system is constructed and nearing operation, our focus for this review is the operability of the facility. The deliverables will be based on the new priority. The FMEA will be limited in scope and confined to detecting major discrepancies or "fatal flaws" in the design, e.g., it is not known at this time if there is a failure path that

MAR 12 1993

could dump the raw waste stream into the product water system, or failure modes that could incur excessive system down times and compromise the storage capacities of the Modular Tanks.

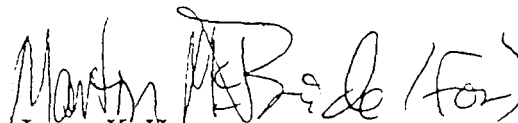
We agree with the Management Approach outlined in HAZWRAP's proposal with the exception of the utilization of a team leader. We do not feel that the effort described above would require the efforts of the proposed full time project manager. The assessment team is small and the individuals identified in the proposal are highly professional, we therefore feel that they are capable of organizing the approach and carrying out the tasks without the need for a lead individual. We would also like to review the resume of Mr. James Wilson, since it was not included in the proposal. We also need more specific information on the team's expertise in operations startup activities and the design and operation of forced evaporation systems. The current resumes indicate limited evaporator system design and operational experience within the proposed team members.

The Technical Approach is acceptable, with the adjustments outlined above to the SOW. We would like to describe the first activity as an information gathering phase, rather than a trip. This phase would consist of reviewing the data on-hand at HAZWRAP, and any additional requested data before taking a fact finding trip. We feel that a basic knowledge of the facility and equipment would make the fact finding trip more efficient. In addition, RFO must approve the recovery plan projected for the Phase II Assessment.

The schedule will be modified to reflect the current situation, i.e., the fact finding trip. Also with the realignment of priorities, we would need to have preliminary findings on the test and startup program prior to the start of the Cold Systems Operability (SO) Testing which is currently scheduled to begin on March 16, 1993.

The deliverables are acceptable with the exception of the design assessment report, which will be included as a part of the FMEA findings. The estimated costs outlined in the proposal are acceptable.

Should you have any questions or require any additional information, please contact me at (303) 966-5918 or Scott Surovchak at (303) 966-3551.


James K. Hartman
Assistant Manager for Transition
and Environmental Restoration

Attachment

J. Ford
ERD:EOT:02537

MAR 12 1993

3

cc w/o Attachment:
A. Rampertaap, EM-453
J. Ciocco, EM-453
C. Gee, EG&G
D. Smith, EG&G